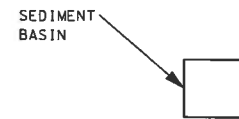




Construct Fish Weir
(APPROXIMATE LOCATION)



COFFERDAM

NH 16
TOWARDS GORHAM
INTENDED ACCESS
POINT

NH 16
TOWARDS JACKSON

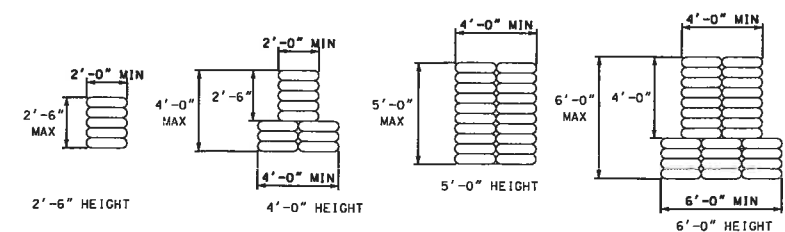


LEGEND

TYPE OF WETLAND IMPACT	SHADING/ HATCHING
NEW HAMPSHIRE WETLANDS BUREAU (PERMANENT NON-WETLAND)	
NEW HAMPSHIRE WETLANDS BUREAU & ARMY CORP OF ENGINEERS (PERMANENT WETLAND)	
TEMPORARY IMPACTS	

- # WETLAND DESIGNATION NUMBER
- # WETLAND IMPACT LOCATION
- # WETLAND MITIGATION AREA
- MITIGATION

WETLAND IMPACTS
SCALE: 1" = 20'-0"



COFFERDAM DETAILS
NOT TO SCALE

WETLANDS DELINEATED BY SARAH LARGE AND MATT URBAN ON 11. 2016

STATE OF NEW HAMPSHIRE									
DEPARTMENT OF TRANSPORTATION * BUREAU OF BRIDGE MAINTENANCE									
TOWN	GORHAM	BRIDGE NO.	087/050	STATE PROJECT	41393				
LOCATION						NH RTE. 16 OVER UNNAMED BROOK			
WETLAND IMPACTS									
DESIGNED		BY		DATE		CHECKED		BY	
DRAWN		DBL		8/24/17		CHECKED			
QUANTITIES						CHECKED			
ISSUE DATE				FISCAL YEAR		CREW		SHEET NO.	
REV. DATE				2018				1	
SHEET SCALE		AS NOTED		TOTAL SHEETS		2		BRIDGE SHEET	

WETLAND IMPACT SUMMARY												
WETLAND NUMBER	WETLAND CLASSIFICATION	LOCATION	AREA IMPACTS						LINEAR STREAM IMPACTS FOR MITIGATION			
			PERMANENT				TEMPORARY		PERMANENT			
			N.H.W.B. (NON WETLAND)		N.H.W.B. & A.C.O.E. (WETLAND)				BANK LEFT	BANK RIGHT	CHANNEL	
			SF	LF	SF	LF			SF	LF	LF	LF
1	R2UB12	A			1183	114	64	10				
2	BANK	B	135	17			34	4				
2	BANK	C	133	17			21	3				
2	BANK	D	14	5			157	5				
2	BANK	E	14	5			244	5				
4	R4SB67	F					15	12				
3	PEM1E	G					159					
3	PEM1E	H					74					
		I										
		J										
		K										
		L										
		TOTAL	296	44	1183	114	768	39		0	0	0

PERMANENT IMPACTS: 1479 SF

TEMPORARY IMPACTS: 768 SF

TOTAL IMPACTS: 2247 SF

SUBTOTALS		PERMANENT				TEMPORARY	
		N.H.W.B. (NON WETLAND)		N.H.W.B. & A.C.O.E. (WETLAND)			
CLASS	DESCRIPTION	SF	LF	SF	LF	SF	LF
R2UB12	RIVERINE	0	0	1183	114	64	10
BANK	BANK	296	44	0	0	456	17
R4SB67	RIVERINE INTERMITTENT	0	0	0	0	15	12
PEM1E	EMERGENT WETLAND	0	0	0	0	233	0
		0	0	0	0	0	0

WETLAND CLASSIFICATION CODES	
R2UB12	RIVERINE LOWER PERENNIAL UNCONSOLIDATED BOTTOM GRAVEL AND SAND
PEM1E	PALUSTRINE EMERGENT PERSISTENT SEASONALLY FLOODED /SATURATED
R4SB67	RIVERINE INTERMITTENT STREAMBED ORGANIC VEGETATED
BANK	BANK

STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION * BUREAU OF BRIDGE MAINTENANCE

TOWN GORHAM

BRIDGE NO. 087/050

STATE PROJECT 4159393

LOCATION NH RTE. 16 OVER UNNAMED BROOK

WETLAND IMPACTS

REVISIONS AFTER PROPOSAL

DESIGNED

DRAWN

QUANTITIES

ISSUE DATE

REV. DATE

BY

DATE

DBL

8/24/17

CHECKED

CHECKED

CHECKED

CHECKED

2018

BRIDGE SHEET

OF

FILE NUMBER

TOTAL SHEETS

2

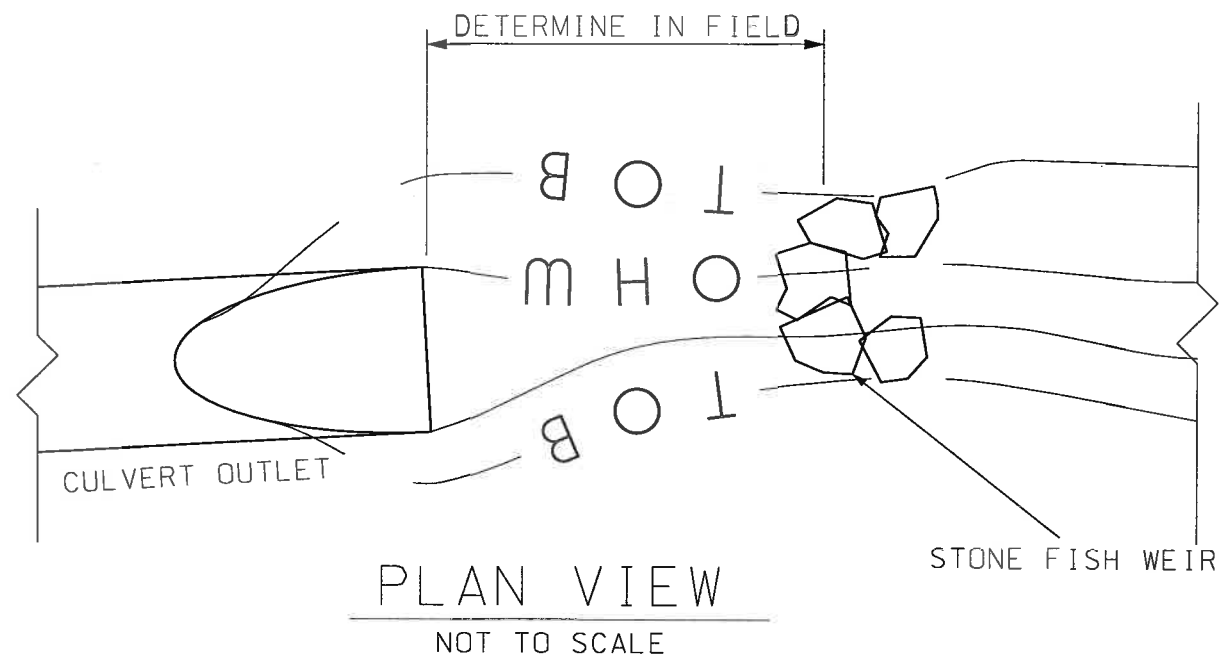
2

2

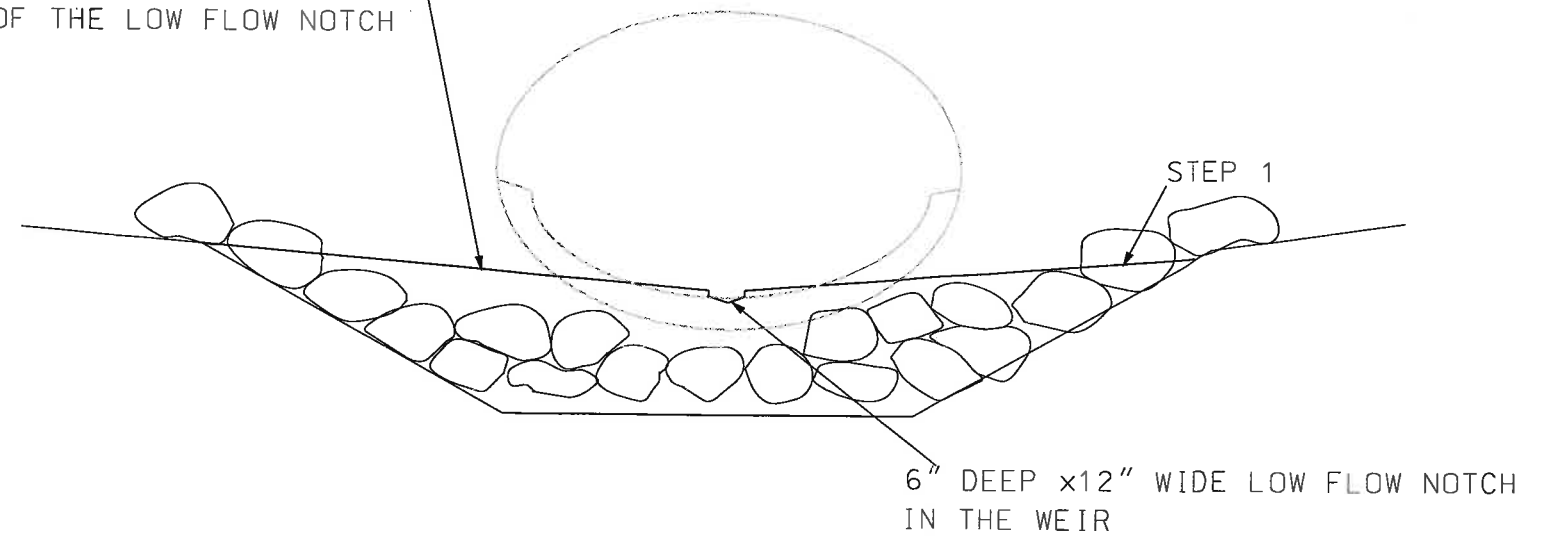
2

SHEET SCALE

AS NOTED

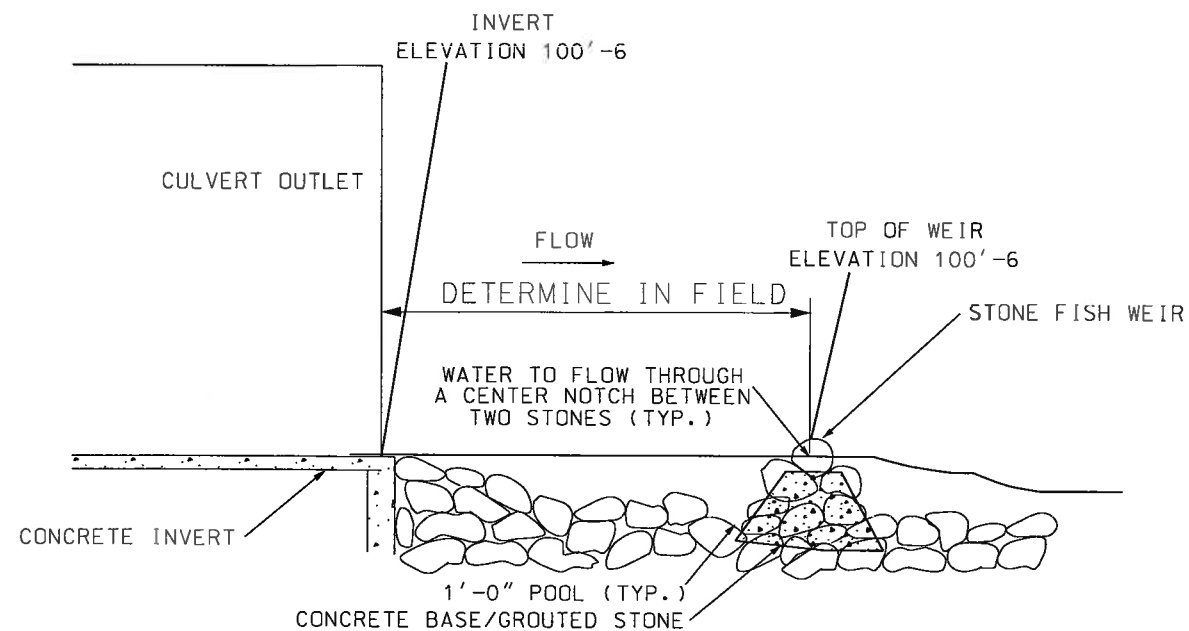


1'-0" MIN. DROP IN HEIGHT
FROM EDGE OF THE BANK
TO THE OUTER EDGE
OF THE LOW FLOW NOTCH



WEIR CROSS SECTION B-B

NOT TO SCALE



WEIR CROSS SECTION A-A

NOT TO SCALE

NOTES:

1. WATER LEVEL WILL BE EVEN WITH THE NEW INVERT WHEN THERE IS ENOUGH FLOW FOR 1/2" DEPTH IN THE PIPE
2. POOLS APPROXIMATELY 1'-0" DEEP AND 3'-0" WIDE WILL BE INSTALLED IN FRONT OF AND BEHIND EACH STEP.
3. THE LOW FLOW NOTCH WILL BE CREATED BY PLACING TWO STONES SIDE BY SIDE, ALLOWING THE WATER TO FLOW BETWEEN THEM.
4. MAXIMUM DROP PER WEIR EQUALS 9" MAX

STATE OF NEW HAMPSHIRE									
DEPARTMENT OF TRANSPORTATION * BUREAU OF BRIDGE MAINTENANCE									
TOWN	GORHAM	BRIDGE NO.	087/050	STATE PROJECT	41393				
LOCATION	NH RTE. 16 OVER UNNAMED BROOK								
ROCK FISH WEIR SYSTEM									
REVISIONS AFTER PROPOSAL		BY	DATE	CHECKED	BY	DATE	BRIDGE SHEET		
DESIGNED		DBL	10/13/17	CHECKED			2 OF 2		
DRAWN		DBL	10/13/17	CHECKED			FILE NUMBER		
QUANTITIES				CHECKED			BENTON		
ISSUE DATE							063/179		
REV. DATE							FISCAL YEAR	CREW	SHEET NO.
							2015	10	3
SHEET SCALE		AS NOTED		TOTAL SHEETS		3			